

MICHIGAN STATE

U N I V E R S I T Y

Alpha Presentation

Shrink Reduction Using Blockchain

The Capstone Experience

Team Meijer

Moritz Greiss

Lucas Banks

Mohammad Yousafzai

Matthew Wilimberg

Phillip Litchfield

Department of Computer Science and Engineering
Michigan State University

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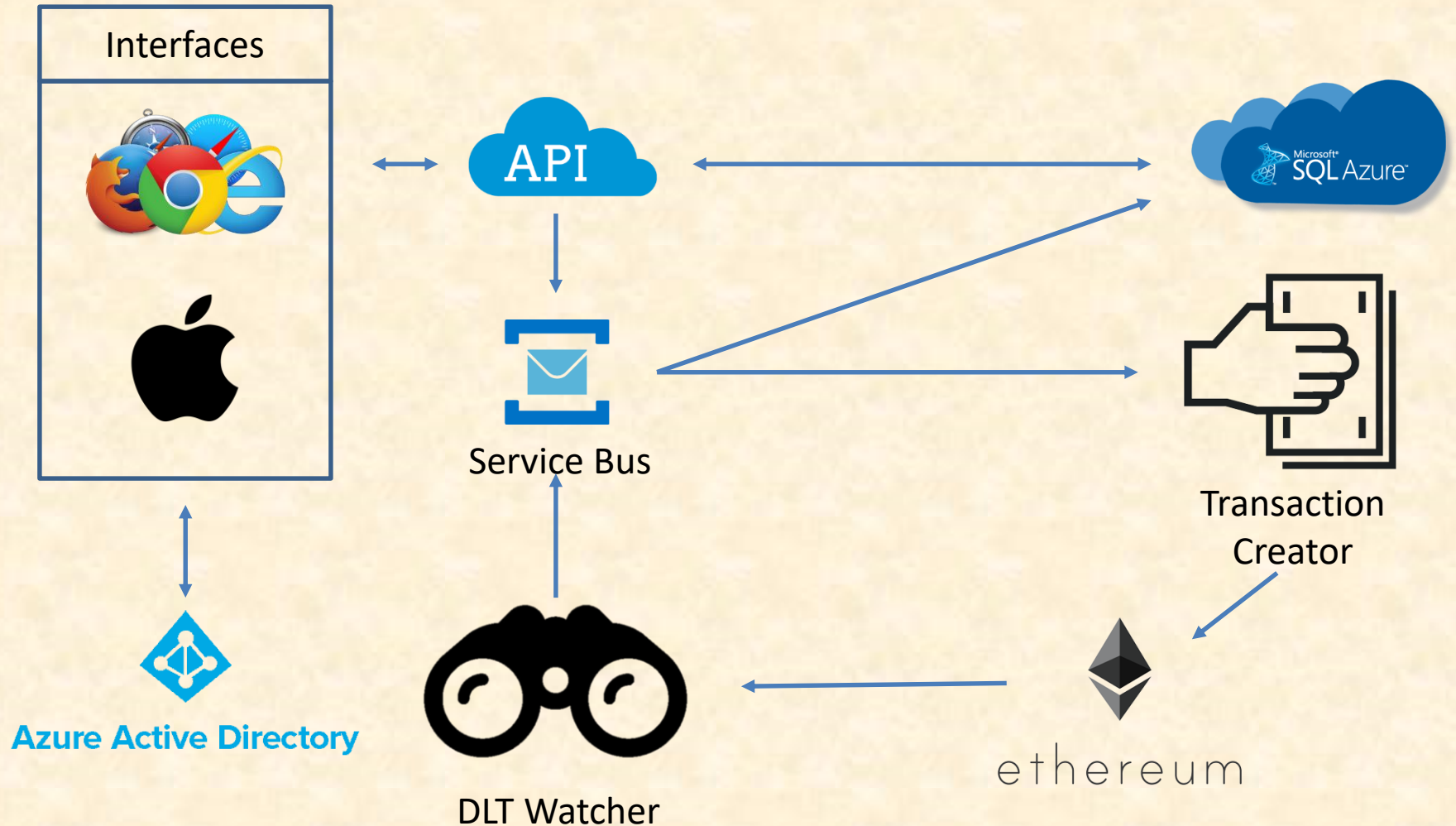
*From Students...
...to Professionals*

Project Overview

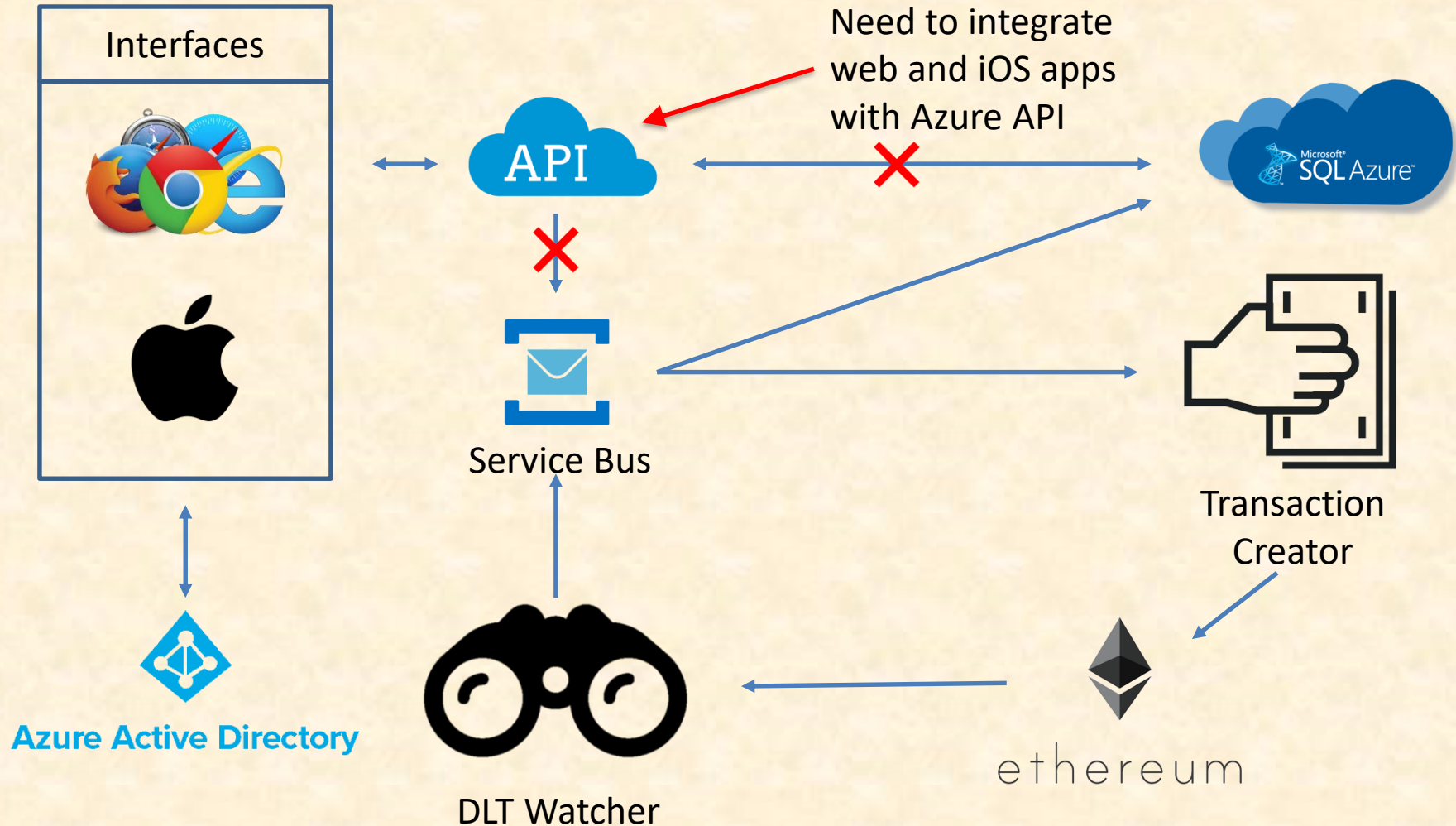
- Develop a blockchain system to track highly-perishable items and reduce shrink
- Create an iOS and web application to access the data
- Construct a notification system to alert users when products are close to expiration
- Implement a dashboard to display product loss statistics



System Architecture



Architecture Left to Do



What's left to do?

- Integrate iOS and web apps with the Azure API and Azure SQL database
- Complete QR code scanning system
- Implement alerts page for the iOS and web apps
- Develop web app loss statistics page using PowerBI
- Create future arrivals and departures page on the iOS and web apps



Questions?

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